

AMENDMENTS TO THE CLAIMS

A complete set of the claims is included below, as well as the current status of each claim. This listing of claims will replace all prior versions, and listings, of claims in the application.

I. (currently amended) A method in a biometric authorization system, the method comprising:

receiving, from a first biometric device, biometric data that is based on biometric information that is taken from a user and first biometric device data indicative of a capability of the first biometric device;

locating a ~~user record~~ registered biometric data associated with said a user record,
wherein the registered biometric data was obtained via a second biometric device;

determining whether the received biometric data sufficiently matches the registered biometric data; and

in response to the received biometric data sufficiently matching the registered biometric data:

locating second biometric device data indicative of a capability of the second biometric device,

determining whether the first biometric device data indicates that the capability of the first biometric device is superior to the capability of the second biometric device, and

in response to the first biometric device data indicating that the capability of the first biometric device is superior to the capability of the second biometric device;

generating upgraded biometric data based on a combination of the
registered biometric data associated with said user record received from a second
biometric device and said received biometric data if the first biometric device is of
a higher quality than the second biometric device; and

storing the upgraded biometric data in said user record.

2. (cancelled).
3. (cancelled).
4. (previously presented) The method of claim 1, further comprising prompting said user for one or more additional biometric samples to employ for said generating upgraded biometric data.
5. (currently amended) The method of claim 1, ~~further comprising generating wherein said received biometric data comprises~~ a biometric template generated from said ~~received biometric data~~ information taken from said user.
6. (cancelled).
7. (cancelled).
8. (cancelled).
9. (original) The method of claim 1, further comprising receiving a user identification code.
10. (previously presented) The method of claim 1, wherein said generating upgraded biometric data is initiated by a third party system.
11. (cancelled).
12. (original) The method of claim 1, wherein said storing is determined by the system.
13. (original) The method of claim 1, wherein said storing comprises storing a plurality of biometric data upgrade transactions.

14. (currently amended) The method of claim 1, further comprising comparing, at a local biometric device, said received biometric data ~~or a biometric template based on said received biometric data~~ with said biometric data associated with said user record.

15. (currently amended) The method of claim 1, further comprising comparing, at a central database, said received biometric data ~~or a biometric template based on said received biometric data~~ with said biometric data associated with said user record.

16. (withdrawn) A method for upgrading biometric data, the method comprising:
authorizing a user at a local biometric device, said authorization being based on a comparison of first biometric data with second biometric data, wherein said first biometric data is based on a biometric sample provided by a user to said local biometric device and said second biometric data is previously registered biometric data that is received by said local biometric device from a database;

determining whether said first biometric data is of a higher quality than said second biometric data, wherein the quality of each of said first biometric data and said second biometric data is determined at least by biometric device data; and

sending one of said first biometric data and said biometric sample to said database, wherein said one of said first biometric data and said biometric sample is used to upgrade said second biometric data stored at said database.

17. (withdrawn) The method of claim 16, further comprising sending a user identification code to said database, said user identification code being used to access said second biometric data.

18. (withdrawn) The method of claim 16, further comprising determining whether said second biometric data should be upgraded.

19. (cancelled).
20. (cancelled).
21. (withdrawn) The method of claim 16, wherein the quality of each of said first biometric data and said second biometric data is further determined by minutia points of the first biometric data and the second biometric data.
22. (withdrawn) The method of claim 16, wherein the quality of each of said first biometric data and said second biometric data is further determined by aspects of clarity of the first biometric data and the second biometric data.
23. (withdrawn) The method of claim 16, wherein the quality of each of said first biometric data and said second biometric data is further determined by size of the first biometric data and the second biometric data.
24. (withdrawn) The method of claim 16, wherein the quality of each of said first biometric data and said second biometric data is further determined by liveness of the first biometric data and the second biometric data.
25. (withdrawn) The method of claim 16, wherein the quality of each of said first biometric data and said second biometric data is further determined by system attendant biometric sample certification of the first biometric data and the second biometric data.
26. (withdrawn) The method of claim 25, wherein said system attendant biometric sample certification comprises a system attendant ranking.
27. (cancelled).

28. (withdrawn) The method of claim 16, wherein said biometric device data comprises one or more of a terminal identification code, a system attendant code, a system operator identification code, and transmission capabilities information.

29. (withdrawn) The method of claim 16, further comprising receiving a request at said local biometric device that new biometric data should be forwarded to said database to upgrade previously registered biometric data.

30. (withdrawn) The method of claim 29, wherein said request is received from said database.

31. (currently amended) A method in a biometric authorization system, the method comprising:

receiving, at a database, biometric data that is based on biometric information taken from a user at a ~~local~~ first biometric device and first biometric device data indicative of a capability of the first biometric device;

locating, at said database, ~~a user record~~ registered biometric data associated with ~~said a user record, wherein the registered biometric data was obtained via a second biometric device;~~

authorizing said user at said database, said authorization being based on a comparison using said received biometric data and ~~second~~ the registered biometric data ~~that is~~ associated with said ~~located~~ user record;

~~determining whether said received biometric data is useful to upgrade said second biometric data, wherein said determining is based on a quality of said local biometric device;~~

upon a successful authorization, locating second biometric device data indicative of a capability of the second biometric device;

determining whether the first biometric device data indicates that the capability of the first biometric device is superior to the capability of the second biometric device; and

in response to the first biometric device data indicating that the capability of the first biometric device is superior to the capability of the second biometric device;

upgrading said ~~second~~ registered biometric data associated with said user record using said received biometric data, if it is ~~determined that said received biometric data is useful to upgrade said second biometric data;~~ and

storing the upgraded biometric data in association with said user record.

32. (original) The method of claim 31, wherein said locating is based on a receipt of a user identification code.

33. (cancelled).

34. (cancelled).

35. (cancelled).

36. (withdrawn) A method for upgrading biometric data, the method comprising:
receiving biometric data that is based on biometric information that is taken from a user and biometric device data;

locating a user record associated with said user;

comparing registered biometric device data to said received biometric device data; and

if said received biometric device data is determined superior to said registered biometric device data, substituting said received biometric data or biometric data derived from said received biometric data for previously registered biometric data in said user record.

37. (withdrawn) The method of claim 36, further comprising receiving a user identification code.

38. (withdrawn) The method of claim 36, wherein said biometric device data comprises one or more of a terminal identification code, a system attendant code, a system operator identification code, and transmission capabilities information.

39. (withdrawn) The method of claim 36, wherein previously registered biometric device data and the previously registered biometric data are discarded.

40. (withdrawn) The method of claim 36, wherein the previously registered biometric data are marked as inactive.

41. (withdrawn) A method for upgrading biometric data, the method comprising:
receiving user biometric data;
locating a user record associated with the user biometric data;
comparing the quality of the received biometric data to the quality of the registered biometric data; and

if the quality of the received biometric data is determined superior to the quality of the registered biometric data, substituting the registered biometric data with the received biometric data.

42. (withdrawn) The method of claim 41, further comprising receiving a user identification code.

43. (withdrawn) The method of claim 41, wherein the quality of said received biometric data and said registered biometric data is determined by one or more characteristics.

44. (withdrawn) The method of claim 43, wherein the characteristics are minutia points of the received biometric data and the registered biometric data.

45. (withdrawn) The method of claim 43, wherein the characteristics are aspects of clarity of the received biometric data and the registered biometric data.

46. (withdrawn) The method of claim 43, wherein the characteristic is size of the received biometric data and the registered biometric data.

47. (withdrawn) The method of claim 43, wherein the characteristic is liveness of the received biometric data and the registered biometric data.

48. (withdrawn) The method of claim 43, wherein the characteristic is system attendant biometric sample certification of the received biometric data and the registered biometric data.

49. (withdrawn) The method of claim 48, wherein said system attendant biometric sample certification comprises a system attendant ranking.

50. (withdrawn) The method of claim 43, wherein the characteristic is biometric device data.

51. (withdrawn) The method of claim 50, wherein said biometric device data comprises one or more of a terminal identification code, a system attendant code, a system operator identification code, and transmission capabilities information.

52. (withdrawn) A method in a biometric authorization system, the method comprising:
receiving transaction biometric data that is based on biometric information that is taken from a user;
determining whether said received transaction biometric data is useful to upgrade previously registered biometric data; and
if said received transaction biometric data is useful to upgrade previously registered biometric data, then storing upgrade biometric data in a user record, said upgrade biometric data representing a combination of said transaction biometric data and said previously registered biometric data.

53. (withdrawn) The method of claim 52, wherein said previously registered biometric data is obtained during an enrollment transaction, and said transaction biometric data is obtained during a purchase transaction.

54. (withdrawn) The method of claim 52, wherein said enrollment transaction and said purchase transaction occur on different days.